

LJUBISAVLJEVIC, Sava; MILETIC, Vida

Current status of tuberculous among white and blue collar municipal workers in Belgrade according to the radiofluorographic study.  
Tuberkuloza, Beogr. 12 no.4:485-496 '60.

1. Institut za tuberkulozu NR Srbije (direktor: prof. dr Grujic)  
(TUBERCULOSIS PULMONARY epidemiol)

LJUBISAVLJEVIC, Sava, doc. dr.

Contribution to the study of the pathogenesis of post-primary  
tuberculosis. Med.glasn. 14 no.5:242-245 My '60.

1. Institut za tuberkulozu NR Srbije (Direktor: prof. dr. M.Grujic)  
(TUBERCULOSIS PULMONARY etiol)

LJUBISAVLJEVIC, Sava; BUDIMIR, Spiro

Current status of tuberculosis among students of the Belgrade University according to a radiophotographic survey. Srpski arh. celok. lek. 89 no.2:139-151 F '61.

1. Institut za tuberkulozu NR Srbije u Beogradu. Direktor: prof. dr Milic Grujic.

(TUBERCULOSIS PULMONARY statist)

LJUBISAVLJEVIC, Sava, doc., dr

Some characteristics and results of detection of pulmonary tuberculosis by radiological means. Med. glas. 16 no.5:203-209 My '62.

1. Institut za tuberkulosu Narodne Republike Srbije (Direktor: prof. dr M. Grujic)

(TUBERCULOSIS PULMONARY radiog)

S

LJUBISAVLJEVIC, S.; JEREMIC, I.D.

Some roentgenological characteristics of pulmonary tuberculosis  
in the aged. Tuberkuloza 15 no.2:197-203 Ap-Je '63.

1. Institut za tuberkulozu SR Srbije, Beograd - Direktor:  
prof. dr M. Grujic.  
(TUBERCULOSIS, PULMONARY)  
(THORACIC RADIOGRAPHY)

S

[REDACTED] YUGOSLAVIA

LJUBISAVLJEVIC, S.; VIAJNIC, S.; and MILINKOVIC, M., of the Serbian Tuberculosis Institute (Institut za Tuberkulozu SR Srbije) and Serum and Vaccine Institute (Institut za Serume i Vakcine) in Belgrade.

"The Results of Comparative Tests of the Antigenic Value of the Yugoslav Dry BCG Vaccine in Relation to the French Dry and the Yugoslav Fresh BCG Vaccine."

Belgrade, Narodno Zdravlje, Vol 19, No 7-8, 1963, pp 242-245.

Abstract: Given proper handling from beginning to end, the Yugoslav fresh and dry BCG vaccines proved to yield entirely satisfactory results. The dry vaccine is prepared from the cultures as the fresh and is used 3.5 to 4.5 months after preparation. The slightly better results obtained with the French dry BCG vaccine might be ascribed to its stronger concentration. The authors suggest the selection of cultures in which BCG bacilli display great enzymatic potential, as well as the registration of the Yugoslav dry BCG [REDACTED] vaccine as a standard. Five tables, three graphs, no references

YUGOSLAVIA

NIKOLIC, R., Dr, and LJUBISAVLJEVIC, S., Docent Dr: Department of Radiology of Medical Faculty (Radioloski Institut Medicinskog fakulteta) Head (Upravnik) Prof Dr B. BOŠNJAČAKOVIC; and Institute for Tuberculosis of Peoples' Republic of Serbia (Institut za tuberkulozu NR Srbije) Director (Direktor) Prof Dr M. GRUJIC; Belgrade.

"The Radiologic Aspects of the Pathologic Cardiac Shadow."

Belgrade, Medicinski Glasnik, Vol 17, No 6-7, Jun-Jul 63; pp 255-258.

Abstract [German summary modified]: Discussion of 8 different types of cardiovascular profile changes which should be noted and followed up when evaluating roentgenograms during mass screenings for pulmonary tuberculosis. Eight roentgenograms.

1/1

L 32787-66

ACC NR: AP6023785

SOURCE CODE: YU/0015/65/000/06-/0165/0156

AUTHOR: Ljubisavljevic, S. (Docent; Doctor); Vlajnic, S. (Doctor); Jeremic, D. /2  
(Doctor)

ORG: none

TITLE: Symposium of representatives of socialist countries on the question of  
eliminating endemic tuberculosis

SOURCE: Medicinski glasnik, no. 6-7, 1965, 165-166

TOPIC TAGS: tuberculosis, therapeutics, medical conference

ABSTRACT: Detailed report on this 3-day meeting in Varna, Bulgaria in  
October 1964 with participation of Hungary, East Germany, Poland, Rumania,  
Soviet Union, Czechoslovakia, Bulgaria, and Yugoslavia. Five large sessions  
were held with an unspecified number of papers or registrants; however a  
number of names of prominent tuberculosis specialists and official personalities  
are given with very brief abstracts of talks on various diagnostic and  
therapeutic aspects of tuberculosis in eastern Europe. [JPRS]

SUB CODE: 06 / SUBM DATE: none

Card 1/1 M/95

0975

1610

LJUBISAVLJEVIC-NIKOLIC, Ruzica, dr. (Beograd)

Roentgen rays in the service of the general practitioner.  
(Diagnosis of pulmonary diseases). Med. glas. 17 no.2:75-78  
F '63.

(LUNG DISEASES) (THORACIC RADIOGRAPHY)

5

LJUBITRATIC P.

HELLENBACH, Helena, dr.; LJUBITRATIC, Pero, dr.

Cases of poliomyelitis treated at hospital for infectious  
diseases in Zagreb in 1953. Lijec. vjes. 76 no.5-6:213-222 1954.

1. Iz Bolnice za zarazne bolesti u Zagrebu.  
(POLIOMYELITIS  
pathol. & ther.)

BOGDANOVIC, M., dr; LJUBISAVLJEVIC-NIKOLIC, R., dr; MEDEDOVIC, V., dr

Pulmonary cysts with special reference to the differential diagnosis.  
Med. glas. 15 no.12/12a:465-468 D '61.

1. Interna klinika B Medicinskog fakulteta u Beogradu (Upravnik: prof.  
dr R. Berovic)

(LUNG DISEASES diag) (CYSTS diag)

LJUBOJEVIC, Branko (Beograd)

Wide possibilities for the application of plastics. Kemi ind  
13 no. 1: 16-20 Ja '64.

Ljubojevic, V.  
YUGOSLAVIA / Chemical Technology. Cellulose and Its  
Derivatives. Paper. H-33

Abs Jour: Ref Zhur-Khimiya, No 14, 1959, 52008.

Author : Ljubojevic, V.

Inst : Not given.

Title : Manufacture of Paper Employing Synthetic Materials.  
Properties of Such a Paper.

Orig Pub: Ambalaza, 1957, 4, No 5-6, 128-130.

Abstract: Presented are comparative data pertaining to gas  
and vapor permeability of paper having polyethyl-  
ene film laminations, and that treated with poly-  
vinylchloride and polyvinylchloride dispersions.

Card 1/1

"APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R000930320001-3

LEKA, Milan, inz.; LJUBOJEVIC, Vojislav, inz.

A symposium on adhesives. Tehnika Jug 18 no.6;Suppl.:Hemindustria 17  
no.6:ll26-ll31 Je '63.

APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R000930320001-3"

LJUBOJEVIC, V.

"Standardization in the 34,5 kv. Category. p. 12. (Elektoprivreda, Vpl. 6, no. 1,  
Jan/Feb. 1953, Beograd)

SO: Monthly List of ~~Russian~~ Accessions / Library of Congress, September 1953, Uncl.

LJUJCJEVIC, V.

LJUJCJEVIC, V. Electrification of Burma. p. 261.

Vol. 8, No. 5, Sept./Oct. 1955

ELETROPRIVREDA.

TECHNOLOGY

Beograd, Yugoslavia

Sc: East European Accessions, Vol. 5, No. 5, May 1956

LOVAKOVIĆ, V.

Transmission of information potential of publishing in Yugoslavia with  
a socialist regime neutral. (S. 500. ZAŠTITA ČLAVIĆA. (Zajednica  
jugoslovenskih i čeh republika.) Beograd. Vol. 5, no. 1, Nov., Dec.  
1955.

SOURCE: East European Acquisitions List, (EEL), Library of Congress  
Vol. 5 no. 12, December 1956

LJUBOJEVIC, V.

TECHNOLOGY

Periodical: ELEKTROPRIVREDA. Vol. 11, no. 9/10, Sept./Oct. 1958.

LJUBOJEVIC, V. Our tenth anniversary. p. 381.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 3  
March 1959 Unclass.

LJUBOJEVIC, V.

Advantages of developed wiring diagrams in designing electric plants. p. 1<sup>st</sup>.

ELEKTECPRIVREDI. (Zajednica jugoslovenske elektroprivrede)  
Beograd, Yugoslavia. Vol. 12, no. 4/5, Apr./May 1958.

Monthly List of the East European Acquisitions (EEA) 10, Vol. 1, no. 1, Aug. 1959.

Uncl.

LJUBOJEVIC, Vladimir, ing.

Permissible loading of transmission lines. Elektroprivreda 14  
no.11/12:593-600 N-D '61.

1. Zajednica elektroprivrednih preduzeaca NR Srbije, Beograd.

LJUBOJEVIC, Vladimir, inz.

Negotiations with Hungarian electric industries. Elektroprivreda  
15 no.1:32 Ja '62.

1. Clan Redakcionog odbora i glavni urednik, "Elektroprivreda."

LJUBOJEVIC, Vladimir, inz.

Earthquake in Skoplje. Elektroprivreda 16 no.8:383-384 Ag  
'63.

1. Clan Redakcionog odbora, glavni i odgovorni urednik,  
"Elektroprivreda".

LJUBOJEVIC, Vladimir, inz.

Shortcomings in the system for supplying large cities. Elektroprivreda  
17 no. 6:270-273 Ja '64.

LITVICIN, Olga, TUDOR, Nedjelja; LUBJANOVIC, Vesna

Use of subconjunctival and chemotherapy in chemical eye injuries.  
Srpski arh. celok. lek. 92 no.2:173-179 F'64.

1. Oena Klinika Medicinskeg fakulteta Univerziteta u Beogradu  
(Upravnik: prof. dr. Ivan Stanisavljević).

LITOVSKY, J.

"Future consumption of electric power in the country, calculations of electric power reduction on collective farms."

ELIM (Charkiv, Veda - Mechanische i Elektrifikace Strojedelstvi, Vol. 31, no. 2,  
Apr. 1959, Irkla, Czechoslovakia)

Monthly Index of East European Decession (EMI) 10, Vol. 7, No. 1, 1959

LJUBOMIRSKA, J.  
HAVLICEK, J.

Comments on the determination of the life and depreciation of  
agricultural machinery. p. 765.

Praha. Československá akademie zemědělských věd. SBORNÍK ZEMĚDĚLSKÁ  
EKONOMIKA. Praha, Českoslovakia. Vol. 5, no. 10, 1959

Monthly list of East European Accessions (EEAI) LC Vol. 9, no. 2,  
Feb. 1960 uncl.

LJUBOVIC, E., dr.

Nephrogenic hypertension. Med. arh. 18 no. 4:93-99 Ag-6 '64

1. Hirurska klinika Medicinskog fakulteta u Sarajevu Sef:  
Prof. dr. L. Kaufer).

NIKULIN, A.; LJUBOVIC, E.

Plastic plombage in experimental bone regeneration. Acta med.  
jugosl. 10 no.1:1-36 1956.

1. Institut fur pathologische Anatomie der Medizinischen Fakultat  
in Sarajevo und Chirurgische Universitats-Klinik in Sarajevo.

(BONES, physiol.  
eff. of plaster of Paris implants on regeneration (Ger))

(PLASTER OF PARIS

implants, eff. on bone regeneration (Ger))

(REGENERATION

bones, eff. of plaster of Paris implants in rabbits (Ger))

LJUBOVIC, Esad, d-r

Ureterocele. Med.arh., Sarajevo 14 no.7:137-143 Ja '61.

1. Hirurska klinika Medicinskog fakulteta u Sarajevu (Sef: prof.  
d-r F.Lukac)  
(URETER dis)

## JULY 19, 1863

URBANIC ESTD

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- source, Eng. & Min. J., Vol. 11, no. 2, Jan. 61.

  1. What effects the growth and development of industries? pp. 1-2.
  2. The work of the Planning Board in India, pp. 3-4.
  3. Recent investigations have shown effects on the party.  
Recent Developments, pp. 5-7.
  4. National Planning, pp. 7-8.
  5. Economic Planning, pp. 7-8.
  6. Economics of Planning, pp. 9-10.
  7. Structure of National Planning, pp. Good  
Structure, Strong Central Planning, Central and  
Decentralized, pp. 11-12.
  8. "Cooperation or Competition," Geopolitics, pp. 20-23.
  9. Wealth Distribution in National Organizations, Milan  
R. Popovici, pp. 24-25.
  10. "Fertilization by Fungi in Industrial Waste,"  
pp. 26-27.
  11. "Erosive Diseases of Soil," Geopolitics, pp. 28-29.

Central Committee, Communist Party of India.

LITERATUR.

— 2/2 —

LJUBOVIC, E., dr.

Diagnosis of peri-urethral adenoma. Med. arh. 16 no.1:83-89 Ja-F '62.

1. Hirurška klinika Medicinskog fakulteta u Sarajevu (Sef: prof. dr  
P. Lukac)

(ADENOMA diag) (URETHRA neopl)

STOJSIC, M., dr, doc.; KOSTIC, Z., dr; PUTNIK, Lj., dr; VOLJEVICA, C., dr;  
BAROS, T., dr; MILISAVLJEVIC, D., dr; LJUBUNCIC, L., dr; TERZIC, N. dr;  
GOLUB, B., dr.

Enteroviral paralysis. Cases observed during 1960 in the Serajevo  
Infectious Hospital and in the infectious ward of the Mostar hospital.  
Med. glasn. 15 no.11:375-380 N '61.

(POLIOMYELITIS epidemiol)

BRANKOVAN, Konstantin, Major dr.; JANEZIC-JELACIC, Olga, dr.;  
LJUMOVIC, Arsenije, major dr.

Case of primary malignant diffused mesothelioma of pericardium.  
Voj. san. pregl., Beogr. 13 no.9-10:490-494 Sept-Oct 56.

(PERICARDIUM, neoplasms  
malignant diffuse mesothelioma misdiag. as exudative  
pericarditis (Ser))  
(MESOTHELIOMA, differ. diag.  
exudative pericarditis from malignant diffuse  
mesothelioma (Ser))  
(PERICARDITIS, differ. diag.  
malignant diffuse mesothelioma from exudative  
pericarditis (Ser))

ARSENILEVIC, Milan; KICIC, Mioljub; MICIC, Ratibor; LJUMOVIC, Arsenije

Contribution to the treatment of cortical insufficiency with  
corticosteroids. Srpski arh. celok. lek. 88 no.2:171-182 F '60.

1. Klinika za umutrasnje bolesti Vojno-medicinske akademije u  
Beogradu, Nacelnik: puk. prof. dr. Milan Arsenijevic.  
(ADDISON DISEASE ther.)  
(ADRENAL CORTEX HORMONES ther.)

LJUMOVIC, D.

Some experiences in covering the Liverovic Canal with concrete. p.5.  
(Izgradaja, Vol. 11, No. 2, Feb. 1957, Beograd, Yugoslavia)

SO: Monthly List of East European Accessions (EKAL) Lc. Vol. 6, No.8, Aug 1957. Umcl.

L J Ljumovic M.

YUGOSLAVIA/Farm Animals. - Small Horned Stock

Q-3

Abs Jour : Rof Zhur - Biol., No 6, 1958, No 26155

Author : Ljumovic M.

Inst : Not Given

Title : Milk Productivity of the Hybrid Sheep of the S'yonika Brood  
Morino and that of the Sheep of the S'yonika Brood (Molochnaya  
produktivnost' pomechnykh ovets s'yonika morinos i ovets porody  
s'yonika)

Orig Pub : Veterinaria (Jugosl.), 1957, 6, No 1, 121-126

Abstract : The effect of the crossbreeding of the local sheep of the  
S'yonika breed with the Morino rams upon the milk produc-  
tivity of the Hybrids (Yugoslavia) was studied. For 190  
days of lactation, the milk yield of the crossbred sheep  
amounted, on the average, to 43.41 liters and the milk yield  
of the sheep of the S'yonika breed to 54.25 liters.

Card : 1/1

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"APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R000930320001-3

LJUNGGREN, Einar

Current status of modern therapy in genito-urinary tuberculosis.  
Polski przegl. chir. 33 no.11a:1386-1389 '61.  
(TUBERCULOSIS UROGENITAL ther)

APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R000930320001-3"

LJUNGGREN, Einar

Current views on the diagnosis and therapy of malignant tumors of  
the kidney. Polski przegl. chir. 33 no.11a:1436-1439 '61.  
(KIDNEYS neopl)

GOLUBOVIC, Vasilije B.; LJUTINA, Milos J.

Complexometric determination of chromium (III) in the presence  
of aluminum, calcium and magnesium. Glas Hem dr 27 no.7/8:  
383-388 '62

1. Faculty of Technology, Institute of Analytical Chemistry,  
Beograd.

LJUSTINA-IVANIC, N.

PERIC-SMIWERTH, F.; LJUSTINA-IVANCIC, N.

Effect of sodium salt of PAS on experimental tuberculosis of the eye in rabbits. Radovi Med. fak. Vol.3:267-273 1953.

1. Oftalmolska klinika Medicinskog fakulteta u Zagrebu (Predstojnik prof. dr. Z.Pavacic. Primljeno 21.VIII.1953)

(TUBERCULOSIS, OCULAR, exper.)

\*eff. of PAS in rabbits)

(PARA-AMINOSALICYLIC ACID, eff.)

\*on exper. ocular tuberc. in rabbits)

LJUSTINA-IVANCIĆ, N.; DOĞAN, S.

Effect of various drugs on pressure in the central retinal artery in migraine and epilepsy. Neuropsihijatrija 3 no.3-4: 244-253 1955.

1. Iz klinike za ocne bolest. (Pred:; Prof. dr. Z. Pavisic).  
Dept. of Ophthalmology and the Dept. of Neurology and Psychiatry,  
University of Zagreb, (Pred: Prof. dr. R. Lopasic).

(MIGRAINE, therapy,

chemother., eff. on retinal arterial pressure. (Ser))

(EPILEPSY, therapy,

chemother., eff. of antiepileptic drugs on retinal arterial pressure. (Ser))

(RETINA, blood supply,

arterial pressure in chemother. of epilepsy & migraine.  
(Ser))

LJUST INA-IVANČIĆ, Nevenka, dr.

~~Glaucoma syndrome. Med. glasn. 9 no.7-8:478-483 July-Aug. 1955.~~

1. Klinika za ocne bolesti Medicinskog fakulteta u Zagrebu  
(predstojnik prof. dr. Z.Pavieic)  
(GLAUCOMA  
pathogen., diag., ther. & classif. (Ser))

LJUSTINA-IVANCIĆ, M.; PLASAJ-STAMPAR, B.

Retrolental fibroplasia; report of first cases in Croatia.  
Radovi Med. fak. Zagrebu 2:121-132 1956.

1. Iz Kliniki za ocne bolesti Medicinskog fakulteta u  
Zagrebu (Predstojnik: prof. dr. Z. Pavisic) Iz Klinike  
za dječje bolesti Medicinskog fakulteta u Zagrebu (Predstojnik:  
prof. dr. N. Skrivaneli).

(RETROLENAL FIBROPLASIA, case reports,  
first cases in Yugosl. (Ser))

LJUSTINA-IVANCIC, Nevenka, Dr.

Therapy of common eye injuries. Lijec vjes 82 no.12:985-990 '60.

1. Iz Klinike za ocne bolesti Medicinskog fakulteta u Zagrebu.  
(EYE wds & inj)

LJUSTINA-IVANCIĆ, Nevenka, dr.; BAN, Vladimir, dr.

Ocular injuries in children. Lijecn. vjesn. 84 no.5:451-454 '62.

1. Iz Klinike za ocne bolesti Medicinskog fakulteta Sveučilišta u Zagrebu.

(EYE wds & inj)

5

YUGOSLAVIA

LJUSTINA-IVANCIC, Dr Nevenka; GRGIC, Dr Zvonimir; and IVANOV, Dr Dako, Eye Clinic (Ocna Klinika) and Clinic of Internal Medicine (Interna Klinika), Faculty of Medicine (Medicinski Fakultet), University (Sveuciliste), Zagreb.

"Changes in the Eyes in Cases of Hemoblastosis."

Zagreb, Lijecnicki Vjesnik, Vol 85, No 8, 1963, pp 853-860.

Abstract: [Authors' English summary modified] The authors discuss the results of clinical examinations of the external and internal parts of the eye in 100 patients suffering from hemoblastosis including 30 cases of Morbus Hodgkin, 17 of acute leucosis, 20 of chronic lymphatic leucosis, 17 of chronic granulocitic leucosis, 12 of reticulum-cell sarcoma, and three of multiple myeloma. Subconjunctival or orbital infiltrates were found in 30 cases, a corneal pannus in five, and retinal hemorrhages or exudates in 13. Congestion of the retinal vessels was the single symptom in 32 cases. Various other retinal changes were noted in 17 cases and sclerosis of the choroid in 24. The authors conclude that ophthalmological examination is not enough for a safe diagnosis of hemoblastosis but that some retinal changes may be suggestive of the duration and phase of the disease. One drawing, three photographs, 34 references (24 Western, nine Yugoslav, one Soviet).

1/1

LJUTKOVICS, G.A.

Ambulatory treatment of glaucoma. Szemeszet 91 no.3:106-109 Aug 54.

1. A szanovi Varosi-korhaz szemosztalyarol. Vjesztnik Oftalmologii  
1954. TOM XXXIII. 1. sz. 3-7.  
(GLUACOMA, therapy,  
ambulatory)

MALASH, N.N.; LUDVINSKII, V.P.

Formation of quartz crystals from solutions. Transl. by S. Rep. Pres.  
min. ob-va 92 no.6:63-72 '63. (11 18:3)

1. Leningradskiy gornyy institut i Ulan-kaudorskii universitet  
Mongol'skoy Narodnoy Respubliki.

"APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R000930320001-3

MALKOVA, K.M.; LKH/MSURIN, Zh.

Some characteristics of the formation of gypsum crystals. Zap.  
Vses.rus.ob-va 94 no.2:224-230 '65. (MIRA 18:5)

APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R000930320001-3"

MALKOVA, K.M.; LKHAMSUREN, Zh.

Phenomena of the regeneration of the damaged faces of organic  
quartz crystals from pegmatites in Mongolia. Geol. i geofiz.  
no. 7:122-126 '64. (MIRA 18:8)

1. Leningradskiy gornyy institut.

LLASIEVICI, L

Additional work in the solution of arithmetic problems.

p. 367 (Gazeta Matematica Si Fizica) Vol. 9, no. 7, July 1957, Bucuresti, Rumania

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

LLAVSKY, J.

"The relation of certain hermatite deposits to the hydrothermal siderite  
ores in the Spis-Gemer Ore Mountains."  
p. 103 (Geologicky Sbornik, Vol. 2, no. 1, 1958, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, no. 2,  
September 1958

LLAZARI, V.

LLAZARI, V. Experiences of breeders of curly sheep. p. 15.

Vol. 9, No. 11, Nov. 1955, PER BUQESINE SOCIALISTE, Tirane, Albania.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 10,  
Oct. 1956.

LLAZARI, V.

How to increase the production of cow's milk.

p. 23 (Per Bujqesine Socialiste) Vol. 11, No. 9, Sept. 1957. Tirane, Albania.

SO: Monthly Index of East European Accessions (EEAI) LC, - Vol 7, No. 1, Jan. 1958

L LINCHEV G.

AID Nr. 978-14 28 May

CORROSION OF Cr-Ni STAINLESS STEELS IN SODIUM (CZECHOSLOVAKIA)

Llinchev, G. Atomnaya energiya, v. 14, no. 4, Apr 1963, 375-382.

S/089/63/014/004/006/019

The G. V. Akimov State Scientific Research Institute of Material Protection, in Prague, has studied the corrosion behavior of stainless steels 1Cr18Ni9 [AISI 302], 1Cr18Ni9Ti [AISI 321], Cr18Ni12Mo2Ti [AISI 316T], Cr18Ni9Nb [AISI 347], Cr18Ni10Mo2Nb [AISI 316 Cb], and 1Cr18Ni5Mn7 [AISI 202] at 550°C in liquid sodium containing 0.003 or 0.04 to 0.05% oxygen. Corrosion tests were performed in a special unit in which the liquid sodium was circulated at a flow rate of 1.5 m/sec. With an oxygen content of 0.003% all steels except for 1Cr18Ni5Mn7 were found to have approximately the same very high corrosion resistance; corrosion rates (1280-hr test) varied from 2.9 to 4.0 mg/dm<sup>2</sup> month. The corrosion rate of the 1Cr18Ni5Mn7 steel

Card 1/2

AID Nr. 978-14 28 May

CORROSION [Cont'd]

S/089/63/014/004/006/019

(2030-hr test) was 11.2 mg/dm<sup>2</sup>.month. With an oxygen content of 0.04-0.05% corrosion rates (1880-hr test) varied from -19.4 mg/dm<sup>2</sup>.month for Cr18Ni12Mo2Ti to +10 mg/dm<sup>2</sup>.month for 1Cr18Ni9Ti. In no case did the corrosion rate exceed 4μ/year. No steel showed signs of intergranular corrosion. The tensile strength and elongation of all steels decreased slightly. This decrease, however, could be brought about not only by oxygen, but also by carbide precipitation at grain boundaries. In either case it could not be considered dangerous. [DV]

Card 2/2

LLUBENOV, R.V.; YAKOVLEV, P.I.

Study of earth pressure with equally distributed loading on an  
immobile retaining wall. Gidrotehnika no.2:46-53 '62.

(MIRA 16:5)

(Earth pressure)

(Retaining walls)

L 47274-66 EWT(1)/EWP(e)/EWT(m)/EWP(t)/ETI/EWP(k) IJP(e) JD  
ACC NR: AP6034680

SOURCE CODE: HU/0014/65/098/009/0409/0416

NAME: Aladar, Staff Scientist at the Research Institute for the Metal  
Industry (Femipari Kutato Intezet) [location not given].

"Determination of the Specific Surface of Porous Materials"

Budapest, Kohászati Lapok, Vol 98, No 9, Sep 1965, pp 409-416.

33  
B

Abstract: The following procedures are employed for the determination of the specific surface of porous materials: methods based on the adsorption of vapor and gas (static-weight techniques, dynamic-weight techniques, static-volume techniques, and dynamic-volume techniques), methods based on the adsorption of solutions, and methods based on miscellaneous physical factors (radiometry, porosimetry, small-angle X-ray diffusion, gas-permeability, microcalorimetry, conductivity, electrical potential, and capillary condensation). These methods were comparatively discussed on the basis of references in the literature.

Orig. art. has: 4 figures, 15 formulas  
and 3 tables. [JPER]

TOPIC TAGS: porosity, metal surface, adsorption

SUB CODE: 11,20 / SUMM DATE: none / ORIG REF: 006 / OTH REF: 058  
SOV REF: 015

Card 1/1 *Hand*

USC: 020.179.0

0921 1309

Lnenicka, Josef; Michalica, Karel, inz.

For a reliable technical operation of telecommunications. Cs spoje  
7 no.11:25-27 N '62.

1. Vychodoceska krajska sprava spoju (for Lnenicka). 2. Hospodarska  
ustredna spoju, Praha (for Michalica).

FUKARAK, P.; SAF'R, J.; MESTROVIC, S.; KLEPAC, D.; Lnenicek, Z.; ZMIJANAC, D.;  
SEVNIK, F.; ZAGAR, B.; MIKLAVZIC, J.; KNEZ, A.; PIPAN, R.; FUNKL, L.;  
SVETLICIC, A.; ZUMER, L.; KEVO, R.

Review of periodicals; silviculture. Bul sc Youg 9 no.4/5:144-  
145 Ag-0 '64.

"APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R000930320001-3

Lnenicka, Zdenek

An example to be followed. Siln doprava 13 no.2:8-9 P '65.

APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R000930320001-3"

L'nyanoy, V.N.

AUTHOR: L'nyanoy, V.N. (Dnepropetrovsk).

24-8-17/34

TITLE: Crystallisation of graphite in Ni-C and Co-C alloys.  
(Kristallizatsiya grafita na poverkhnosti v Ni-C i Co-C splavakh).

PERIODICAL: "Izvestiya Akademii Nauk, Otdeleniye Tekhnicheskikh Nauk"  
(Bulletin of the Ac.Sc., Technical Sciences Section),  
1957, No.8, pp. 123-125 (U.S.S.R.)

ABSTRACT: As a result of detailed investigation of the causes and the mechanism of the evaluation of graphite at the surface of specimens during heat treatment in vacuum, Salli, I.V. and his team (4 and 5) arrived at the conclusion that the crystallising graphite is the product of decomposition of the over-saturated austenite during a drop in the temperature below the  $A_{st}$  point and the important role of this is emphasized in the process of graphitisation in Fe-C alloys. If this conclusion is correct, a similar picture can be anticipated for the crystallisation of graphite also in alloys not containing metastable phases. For verifying this assumption Ni-C (with 0.31% C) and Co-C (with 0.37% C) were investigated which do not contain the metastable phases  $Ni_3C$  and  $Co_3C$  in the solid state. After grinding and

Card 1/3 polishing the specimens were placed in a vacuum furnace

24-8-17/34

Crystallisation of graphite in Ni-C and Co-C alloys.  
(Cont.)

maintaining the vacuum between  $10^{-2}$  and  $10^{-3}$  mm Hg col. The Ni-C alloy was heated to 1100°C for thirty minutes and then cooled at a speed of 30°C/min; the Co-C specimen was subjected to a similar heat treatment except that the temperature was raised to 1150°C. As a result of this heat treatment the polished surface became covered with a film which in colour and structure is similar to the graphite coatings in above eutectoidal steels. The results are described. Under otherwise equal conditions the evolution of graphite on the surfaces of Ni-C and Co-C alloys is considerably more intensive than it is in above eutectoidal steels. There is also a difference in the formation of graphite coatings during tempering: such coatings are absent in above eutectoidal steels but they are present in Ni-C and Co-C alloys. Investigation of the process of the evolution of graphite in systems not containing metastable phases confirms that this process proceeds independently and the results will help to solve the important problem of germination of graphite centres during graphitisation of Fe-C alloys. Acknowledgments are made to I.V. Salli for his useful comments and interest.

Card 2/3

24-8-17/34

There are 5 figures, 6 references, 4 of which are Slavic.

SUBMITTED: May 15, 1956.

ASSOCIATION: Dnepropetrovsk State University. (Dnepropetrovskiy  
Gosudarstvennyy Universitet).

AVAILABLE: Library of Congress

Card 3/3

S/137/60/000/012/029/041  
A006/A001

Translation from: Referativnyy zhurnal Metallurgiya, 1960, No.12, p.19<sup>4</sup>, # 29619

AUTHOR: L'nyanoy, V.N.

TITLE: Investigation of Graphite Separation on the Surfaces of Fe-C, Ni-C and Co-C Alloys

PERIODICAL: Nauchn. zap. Dnepropetr. un-t, 1957, Vol. 72, pp. 65 - 70

TEXT: The author studied the character of graphite separation on the polished surface of specimens made of Fe-C (1.5%), Ni-C (0.45% C) and Co-C (0.55% C) alloys, subjected to heat treatment in a vacuum. Heat treatment of the specimens consisted of the following stages: 1) quenching from 1,100° in mercury, 2) annealing at 680°C for 4.8 or 12 hours, and without annealing, 3) heating to 850°C and cooling at a rate of about 30 degrees/minute. Graphite separation was observed only after carrying out the last operation; in a specimen that was not subjected to annealing at 680°C, graphite separation did not take place. It is noted that the amount of separated graphite is in a direct relation with the extent of annealing: specimens, annealed for 12 hours were almost completely covered by separated graphite showing a well defined crystalline structure; after

Card 1/2

S/137/60/000/012/029/041  
A006/A001

Investigation of Graphite Separation on the Surfaces of Fe-C, Ni-C and Co-C Alloys

shorter annealing durations the film was not continuous. Such an effect of annealing time is obviously connected with the fact that longer annealing entails a higher degree of coagulation of cementite particles which predetermines the formation of graphite nuclei. In the case of small and numerous cementite particles, super saturation of austenite arising during cooling from 850°C, is liquidated at the expense of particle growth. If, however, the particles are large and sparsely arranged, the conditions for the liquidation of super-saturation are less favorable because of the longer diffusion path; under these conditions graphite nucleation is possible. Co-C alloys were heated to 1,200°C for 30 minutes and cooled at a rate of about 30 degrees/minute. As a result the surface of sections was completely covered with graphite separations. It was roentgenographically established that the basic plane of graphite crystals, separated out of Fe-C, Ni-C, Co-C alloys is mainly oriented parallel to the section plane. C from annealing, separating on the surface of white iron and graphitizing steels, during isothermal holding in a vacuum, does not show any definite orientation as it was established by preliminary investigations.

S.O.

Translator's note: This is the full translation of the original Russian abstract.

Card 2/2

?

AUTHORS: L'nyanoy, V. N., Salii, I. V. SOV/163-58-3-43/49

TITLE: The Formation of a Graphite Layer at the Surface of Hyper-eutectoid Alloyed Steels (Obrazovaniye grafitnykh pokrytiy na poverkhnosti zaevtektoidnoy legirovannoy stali)

PERIODICAL: Nauchnyye doklady vysshey shkoly. Metallurgiya, 1958; № 3, pp 253-257 (USSR)

ABSTRACT: The influence of the alloyed elements V, Cr, Mo, W, Ni and Si on the process of separation of graphite and austenite was investigated in vacuum. The numerous investigations of the graphitization of the alloy surface by means of thermal treatment in vacuum proved that the graphite separated to the surface may be used as indicator of the graphitization capability of the alloys. The influence of vanadium may be determined from the fact that in alloys with 2% of vanadium the graphitization is completely absent. The micrographs taken with the electron microscope prove that in alloys with increased vanadium content the graphite separation at the surface of the sample slows down and at 2% completely stops.

Also the influence of chromium causes a slowing down of the graphite separation at the surface, which then at 2% of chromium

Card 12

SOV/63-58-3-43/49

The Formation of a Graphite Layer at the Surface of Hypereutectoid Alloyed Steels

stops completely.

Also molybdenum has a retarding effect on graphitization, however, to a lesser degree than vanadium and chromium.

An increase of the degree of dispersion of graphite is characteristic of the effect of tungsten.

Cobalt, nickel and silicon as alloying additions in the steels increase the capability of graphitization at the surface.

The effect of the alloying elements on the separation process of graphite from austenite is based on a change of the reciprocal position of the equilibrium lines E'S' and ES in the phase diagram of Fe-C, whereby the ratio between the rate of growth of the graphite and cementite seeds at the surface is changed. There are 4 figures and 8 references, all of which are Soviet.

ASSOCIATION: Dnepropetrovskiy gos. universitet (Dnepropetrovsk State University)

SUBMITTED: October 1, 1957

Card 22

L'NYANOY, V.N.; SALLI, I.V.

Use of electron microscopy for the investigation of the  
graphitization surface of alloys. Izv. vys. ucheb. zav.;  
chern. met. no.2:100-104 '60. (MIRA 15:5)

1. Dnepropetrovskiy gosudarstvennyy universitet.  
(Electron microscopy) (Alloys—Metallography)

6970  
S/126/60/009/03/025/033  
E111/E452

18.7500

AUTHORS: L'nyanoy, V.N. and Salli, I.V.

TITLE: On the Diffusionless Transformation of Martensite  
into Austenite

PERIODICAL: Fizika metallov i metallovedeniye, 1960, Vol 9, Nr 3,  
pp 460-463 (USSR)

ABSTRACT: The authors discuss the recent article by B.K.Sokolov and V.D.Sadovskiy (Ref 1) on austenite formation by reverse martensite transformation during the heating of steel. Many investigators have tried to establish the occurrence of this process in steel (eg Ref 1, 6 and 7). The present authors show photomicrographs of the surface of type U-10<sup>4</sup> steel after vacuum quenching in mercury from 1050°C (Fig 1a). Fig 1b shows the relief obtained on heating the same specimen (polished) at 200°C per minute in a vacuum furnace: the martensite relief has reappeared by a diffusional transformation. The authors go on to give a direct proof that transformation of martensite into austenite is not diffusionless either at much higher heating rates: Fig 2a shows a vacuum-quenched U-10 steel surface; ✓

Card 1/2

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E111/E452

On the Diffusionless Transformation of Martensite into Austenite

Fig. 2b the same surface after vacuum heating at about 800°C/sec, the cooling rate being far from the critical rate for hardening; Fig 2B the same surface after holding at 1000°C for 1 hour and cooling at the same rate as before. Only in the last treatment is the martensite relief almost eliminated. The authors conclude that not only did diffusionless martensite to austenite transformation not occur in the Sokolov-Sadovskiy work but that it cannot occur at any heating rates because of the especially high mobility of carbon in steels. There are 2 figures and 7 Soviet references.

ASSOCIATION:Dnepropetrovskiy gosudarstvennyy universitet  
(Dnepropetrovsk State University)

SUBMITTED: January 21, 1959

✓

Card 2/2

L'NYANOY, V. N.

Cand Phys-Math Sci - (diss) "Study of surface effects in Fe-C,  
Ni-C, and Co-C alloys undergoing thermal treatment in a vacuum."  
Kiev, 1961. 15 pp; (Joint Academic Council of Institutes of  
Mathematics, Physics, and Metallophysics Academy of Sciences  
Ukrainian SSR); 180 copies; price not given; (KL, 7-61 sup, 219)

| 1720

30398  
S/180/61/000/005/008/018  
E071/E435

AUTHOR: L'nyanoy, V.N. (Dnepropetrovsk)

TITLE: The mechanism of the surface graphitization on the decomposition of supersaturated solid solutions of nickel-carbon and cobalt-carbon

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Otdeleniye tekhnicheskikh nauk. Metallurgiya i toplivo. no.5. 1961, 70-72

TEXT: In view of the lack of literature data on the mechanism of formation and structure of graphite films formed during surface graphitization of alloys on heat treatment in vacuo, the author investigated the process of surface graphitization on the decomposition of supersaturated solid solutions of Ni-C (0.45% C) and Co-C (0.55% C). The specimens of the alloys after grinding and polishing were heated in vacuo to the temperature of the single phase equilibrium, retained at this temperature for 20 minutes and quenched in mercury. The annealing was carried out in vacuo (about  $10^{-2}$  to  $10^{-3}$  mm Hg) at the temperatures 350, 400, 500 and 650°C for 10 minutes with subsequent cooling to room temperature at a rate of 10°C/min. In addition, processes taking

Card 1/ 4

30898  
S/180/61/000/005/008/018  
E071/E435

The mechanism of the surface ...

place in the graphite film at various durations of isothermal annealing (4, 8 and 12 hours) at 400°C were studied. As a result of such heat treatment the polished surface of the specimens was covered with a graphite film well visible under the microscope. After an appropriate heat treatment the film was separated in a "Popov" electrolyte and submitted to an electron diffraction investigation, using an electron microscope 3M-3 (EM-3) with a diffraction hood 3B-3 (EV-3). It was found that during the first stages of annealing of Ni-C and Co-C alloys the carbon substance is arranged in a graphitic two dimensional lattice and packets of lattices. This turbostratic structure of the separated carbon leads to a symmetry of the diffraction rings (002) and asymmetry of the rings (100) and (110) and has a larger parameter c than the crystal lattice of graphite. With increasing temperature or duration of annealing, an ordering of the carbon substance takes place. The graphite lattices in packets obtain azimuthal orientation in respect of the rotational axis perpendicular to them. The asymmetry of the diffraction rings (110) and (100) decreases, in addition, the ring of three dimensional diffraction (112) appears, indicating

Card 2/4

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E071/E435

The mechanism of the surface . . .

the appearance in the film of small graphite crystallites. The azimuthal orientation of these crystallites leads to the appearance of paired and single arc reflexes. Higher temperatures and long durations of annealing lead to the replacement of paired reflexes by single ones. This indicates an incomplete order in the structure of graphite crystallites. Apparently crystallites giving paired arcs have an intermediate structure. The graphitization process on the surface of Co-C alloys is less intensive than in Ni-C alloys, probably due to a rougher surface of the former. A similar mechanism of the formation of graphite on heat treatment in vacuo is probably applicable to the case of surface graphitization of iron-carbon alloys. The author thanks A.F.Polese for his interest and comments. There are 4 figures and 12 references; 9 Soviet and 3 non-Soviet. The references to English language publications read as follows:  
Ref.4: Olney M., Smith G. J. Iron and Steel Inst., 1959, October;  
Ref.7: Franklin R.E. Proc. Roy. Soc., 1951, 209, no.1097, 196;  
Ref.11: Warren B.E. Phys. Rev., 1941, mag.1, 693-698.

X

Card 3/4

The mechanism of the surface ...

30898  
S/180/61/000/005/008/018  
E071/E435

ASSOCIATION: Dnepropetrovskiy universitet  
(Dnepropetrovsk University)

SUBMITTED: October 22, 1960

X

Card 4/4

L'NYANOY, V.N. (Dnepropetrovsk)

Effect of artificial roughness on the surface graphitization  
of iron-carbon alloys. Izv. AN SSSR. Otd. tekhn. nauk. Met. i  
topl. no.1:163-167 Ja-F '62. (MIRA 15:2)

1. Dnepropetrovskiy gosudarstvennyy universitet.  
(Iron alloys. Metallurgy)  
(Surface hardening)

L'NYANOV, V.N.; SHOKOPLYAS, V.K.

Crystallization of graphite on alloy surfaces under the effect  
of cooling. Izv. vys. ucheb. zav.; chern. met. 7 no.1:148-151 '64.  
(MIRA 17:2)

1. Dnepropetrovskiy gosudarstvennyy universitet.

BARANOV, A.A. (Dnepropetrovsk); G. S. M., . . . Dnepropetrovsk); TINYAKOV,  
V.N. (Dnepropetrovsk).

Repeated graphitizing of cast iron with spheroidal graphite.  
Izv. AN FSSR Met. i gor. nauchno-tekhnicheskogo obshchestva  
(MIRA ITB)

CHROMINSKA, H.; WIERCINSKI, J.; LOBA, J.

A case of abscess of the myocardium during the course of strepto-staphylococcal septicemia. Pediat.polska 35 no.9:1131-1135 S '60.

1. Z Kliniki Chorob Zakaznych A.M. i W.A.M. w Lodzi Kierownik:  
doc. dr med. J.Chrzanowski i z Zakladu Anatomii Patologicznej  
A.M. w Lodzi Kierownik: prof. dr med. A.Pruszczynski

(HEART DISEASES etiol)

(SEPTICEMIA compl)

(ABSCESS etiol)

(STREPTOCOCCAL INFECTIONS etiol)

(STAPHYLOCOCCAL INFECTIONS etiol)

BIELINSKA, Wanda; JUDKIEWICZ, Luba; LOBA, Jeremi; PACANOWSKA, Maria

Clinical contribution to hypochromic anemia resistant to iron therapy (sideroachrestic anemia). Pediat. pol. 37 no.11:1209-1214 '62.

1. z II Kliniki Chorob Dzieci AM w Lodzi Kierownik: prof. dr med. Fr. Redlich.

(ANEMIA HYPOCHROMIC)

LOBACH, K.

Life itself is the heart of propaganda. Grashd. av. no.3:9-10 Mr '61.  
(MIRA 14:3)

1. Zamstitel' komandira po politicheskoy chasti Magadanskoy  
otdel'noy aviagruppy.  
(Magadan--Communist Party of the Soviet Union--Party work)

"APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R000930320001-3

LORACH, Kh. S.

Development and distribution of agriculture in Khorezm Province of  
the Uzbek S.S.R. Trudy SAGU no.70:73-102 '55. (MLRA 9:8)  
(Khorezm Province--Agriculture)

APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R000930320001-3"

BABUSHKIN, L.N., prof., otv.red.; GAL'KOV, Ch.V., red.; LOBACH, Kh.S., red;  
SMIRNOV, N.V., red.; TSAFENKO, N.G., red.

[Kashka-Darya Province] Kashka-Dar'inskaia oblast'. Tashkent, Izd-vo  
SAGU, Vol.2. [Economic-geography] Ekonomiko-geograficheskaiia  
kharakteristika. 1959. 242 p. (Tashkent. Universitet. Trudy  
Sredneaziatskogo gosudarstvennogo universiteta, no.156). (MIRA 14:5)  
(Kaska-Darya Province—Economic geography)

KORZHENEVSKIY, N.L.; DONTSOVA, Z.N.; KHASANOV, Kh.Kh., dots.;  
VASIL'KOVSKIY, N.P.; SKVORTSOV, Yu.A.; POSLAVSKAYA, O.Yu.;  
KOGAY, N.A., dots.; MAMEDOV, E.D.; AKULOV, V.V.; BABUSHKIN,  
L.N., prof.; SHUL'TS, V.L., prof.; GORBUNOV, B.V.; GRANITOV,  
I.I.; KOSTIN, V.P.; SMIRNOV, N.V., dots.; TSAPENKO, N.G.,  
dots.; DEGTYAR', V.I.; CHERNOV, P.N.; MUKMINOV, F.G.;  
SELIYEVSKAYA, A.A.; RYABCHIKOV, A.M.; DALIMOV, N.D., dots.;  
~~LOBACH, Kh.S.~~; TADZHIMOV, T.; ARKAD'YEVA, A.N.; GAL'KOV,  
Ch.V.; SHTANLOVA, S.I.; BESSONOV, M., red.; BAKHTIYAROV, A.,  
tekhn. red.

[The Uzbek S.S.R.] Uzbeckskaia SSR. Tashkent, Gos.izd-vo  
UzSSR, 1963. 483 p. (MIRA 16:8)  
(Uzbekistan)

15566  
S/138/63/000/001/002/008  
A051/A126

15.9261

AUTHORS: Fisher, S. L., Perminov, A. M., Radchenko, I. I., Poddubniy, I. Ya.,  
Lobach, M. I., Belgorodskii, I. M.

TITLE: Production of butadiene-styrene (methylstyrene) rubbers according  
to an iron-trilon-rongalite composition using a colophony emulsifier

PERIODICAL: Kauchuk i rezina, no. 1, 1963, 9 - 15

TEXT: Effective compositions of polymerization have been introduced by the  
authors for emulsion rubbers-iron-pyrophosphate and iron-trilon-rongalite, satis-  
fying industrial requirements. The suggested compositions are less sensitive to  
foreign admixtures contained in disproportionated colophony. The industrial pro-  
duction of the iron-trilon complex is easier than that of the iron-pyrophosphate  
complex. The described composition was used first at the Kuybyshev SR Plant in  
1961 for the production of butadiene-methylstyrene rubber CKMC-30 APKM-15  
(SKMS-30 ARKM-15). The suggested composition has been perfected by further in-  
tensifying the polymerization process and improving the rubber qualities. The  
experiments were conducted using: 92 - 94% butadiene-rectificate; 98% methylsty-  
rene; 99.4% styrene; colophony, disproportionated with acidic number 165, con-

Card 1/3

S/138/63/000/001/002/008

## Production of butadiene-styrene (methylstyrene) rubbers..A051/A126

*f.*

taining abietene acids (1.8 - 2.5%); hyperis, containing 90.8% hydrogen peroxide; 90.8% monohydrogen peroxide diisopropylbenzene, containing 35% hydrogen peroxide; tertiarydodecylmercaptane, 95% concentrated. An autoclave of periodic action was used. The experimental results led to the following changes in the composition: 94 - 96% butadiene-rectificate; 98.5% methylstyrene, produced by dehydration of isopropylbenzene; disproportionated colophony, produced on a palladium catalyst by the continuous method with acidic number 163 - 164, and containing abietene acids - (2.5 - 4.9%); commercial stearene acid; 95% tertiary dodecylmercaptane  $d_{20}^{0.8616}$ ,  $D_{20}^{1.4685}$ ; softened water with a total hardness of 0.029 mg.equiv./l and iron content - 0.15 - 0.3%. The resulting SKMS-30 ARKM-15 commercial rubber is characterized by the absence of noticeable quantities of high-molecular fractions. It is similar to SKS-30 ARM-15 and SKMS-30 ARM 15 in its plastic properties mix scorching and spraying resistance. Studies have been conducted on the possibility of further reducing the emulsifier quantity in the production of butadiene-styrene and butadienemethylstyrene rubbers. It was found that: a) by reducing the emulsifier quantity from 5.8 to 5.2 weight parts, the polymerization duration does not change; b) by reducing the emulsifier quantity from 5.8 to 4.8 w.p., the duration remains the same if the trilon B is increased from 0.04 to 0.05 w.p.

Card 2/3

S/138/63/000/001/002/008

Production of butadiene-styrene (methylstyrene) rubbers..A051/A126

Thus, the latex stability is not affected by the reduction in emulsifier. Therefore, the latter can be reduced by 10.17%. The application of the iron-trilon-trongalite polymerization composition has been recommended for the production of butadiene-styrene rubbers in other SR plants. There are 6 figures and 4 tables.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut sinteticheskogo kauchuka im. S. V. Lebedeva  
(All-Union Scientific Research Institute of Synthetic Rubber im. S. V. Lebedev)

Card 3/3

L 3204-66 EWT(m)/EPF(c)/EWP(j)/T RM

ACCESSION NR: AP5016306

UR/0190/64/006/012/2202/2202

AUTHOR: Babitskiy, B. D.; Dogoplosk, B. A.; Kormer, V. A.; Lobach, M. I.; Tinyakova,  
Ye. I.; Chesnokova, N. N.; Yakovlev, V. A.

TITLE: Stereospecific polymerization of butadiene in the presence of pi-allylic complexes

SOURCE: Vysokomolekulyarnyye soyedineniya, v. 6, no. 12, 1964, 2202

TOPIC TAGS: polymerization, butadiene, catalysis, macromolecular chemistry

Abstract: It was shown that the polymerization of butadiene in benzene solutions under the influence of catalytic systems based on pi-allylic complexes of nickel and metal halides ( $TiCl_4$ ,  $VCl_4$ ,  $WC_6$ ,  $AlBr_3$ , and  $NiCl_2$ ) leads to the formation of a polymer with predominantly (up to 94%) cis-1,4-units. The stereospecificity of these catalysts does not depend on the nature of the metal in the Lewis acid. The polymerization temperature was 20-50° and the time 8-16 hours.

ASSOCIATION: none

SUBMITTED: 13 Jul 64

ENCL: 00

SUB CODE: OC, GC

NO REF Sov: 000

OTHER: 000

JPES

Card 1/1 OC

BABITSKIY, B.D.; DOLGOPLOSK, B.A.; KORMER, V.A.; LOBACH, M.I.; TINYAKOVA,  
Ye.I.; YAKOVLEV, V.A.

Influence of the nature of halogen atom on the stereospecificity  
of  $\pi$ -allyl complexes of nickel in butadiene polymerization.  
Izv. AN SSSR. Ser. khim. no.8:1507 '65. (MIRA 18:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sinteticheskogo  
kauchuka im. S.V. Lebedeva i Institut neftekhimicheskogo sinteza  
im. A.V. Topchiyeva AN SSSR.

BABITSKIY, B.D.; KORFER, V.A.; LOBACH, M.I.; CHASHKOVKA, R.N.

Role of  $\overline{\lambda}$ -complexes in the coordination-ionic polymerization  
of butadiene. Dokl. AN SSSR 160 no.3:591-593 Ja '65.  
(MIRA 18:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sinteticheskogo  
kauchuka im. S.V. Lebedeva. Submitted July 13, 1964.

L 7648-66 EWT(m)/EPF(c)/EWP(j) RM  
ACC NR: AP5025036

SOURCE CODE: UR/0286/65/000/016/0084/0084

AUTHORS: Babitskiy, B. D.; Kormer, V. A.; Lapuk, I. M.; Lobach, M. I.; Chesnokova, N. N.

ORG: none

TITLE: Method for obtaining cis-1,4-polybutadiene rubber. Class 39, No. 173948  
Announced by All-Union Scientific Research Institute for Synthetic Rubber im.  
academician S. V. Lebedev (Vsesoyuznyy nauchno-issledovatel'skiy institut  
sinteticheskogo kauchuka)

SOURCE: Byulleten' izobretений и tovarnykh znakov, no. 16, 1965, 84

TOPIC TAGS: rubber, butadiene, polymer, polybutadiene rubber, catalyst, polymerization

ABSTRACT: This Author Certificate presents a method for obtaining cis-1,4-polybutadiene rubber by thermal polymerization of butadiene in the presence of a catalyst. The catalyst consists of tetranickelcarbonyl and metal-containing compounds. The metal-containing compounds used are transition metal salts of group V or VI soluble in hydrocarbons, for instance, vanadium tetrachloride, vanadium

Card 1/2

UDC: 678.762.2

"APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R000930320001-3

L 7648-66  
ACC NR: AP5025036

O

oxytrichloride, or hexachlorotungsten.

SUB CODE: 11 / SUBM DATE: 18Apr64

m.  
Card 2/2

APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R000930320001-3"

W.M. APPROVED

RECORDED 10-15-87 BY AGC

UDC: 547.585'15  
AUTHORS: Babitskiy, B. D.; Dolgoplosk, B. A.; Ardebskii, Iam'; Kormer, V. A.; Lobach,  
Tatyakova, Ye. I.; Yankovlev, V. A.

Stereospecific polymerization of butadiene by catalytic systems based on the  
nickel complexes

ABSSR. Doklady, 267, No. 1, p. 103-106, 1982

KEY WORDS: polymerization, butadiene, stereospecificity, nickel organic compound,  
catalyst

ABSTRACT: The stereospecific catalytic effect of bis-( $\pi$ -callyl) complexes of nickel

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Chloride increased the catalytic activity and altered the stereospecificity. The allyltadienes formed under such conditions were found. The structure was determined by comparison with literature data. The results are given in tables and formulas.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut sinteticheskogo kauchuka  
Moskva. A Union Research Institute of Synthetic Rubber; Institut

DOLGOPLOSK, B.A., akademik; BABITSKIY, B.D.; KORMER, V.A.; LOBACH, M.I.;  
IMYAKOVA, Ye.I.

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(MIRA 18:10)

1. Institut neftekhimicheskogo sinteza AN SSSR i Vsesoyuznyy  
nauchno-issledovatel'skiy institut sinteticheskogo kauchuka  
im. S.V.Lebedeva.

MATURAYEV, A.I.; LOBACH, M.S.

Contributions of rural telecommunication workers. Vest. sviazi  
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1. Nachal'nik Sudzhanskogo rayonnogo uzla svyazi Kurskoy oblasti  
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LOBACH, N.N.

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